

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 2004/000473

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: B65H 81/06, B65H 75/50**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: B65H, B65G**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE, DK, FI, NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0755893 A2 (ST-LAWRENCE MANUFACTURING CANADA INC.), 29 January 1997 (29.01.1997) --	1-18
A	DE 19606574 A1 (DYCKERHOF & WIDMANN AG), 28 August 1997 (28.08.1997) --	1-18
A	SE 462390 B (CORE LINK AB), 18 June 1990 (18.06.1990) --	1-18
A	BE 1013590 A6 (BEXCO, NAAMLOZE VENNOOSCHAP), 2 April 2002 (02.04.2002) --	1-18

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

1 June 2004

Date of mailing of the international search report

23 -06- 2004

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3260390 A (C.F. MORAIN), 12 July 1966 (12.07.1966) --	1-18
A	US 3137451 A (T.A. SPANKE), 16 June 1964 (16.06.1964) --	1-18
A	US 4716646 A (K.A.B. JARREBY), 5 January 1988 (05.01.1988) --	1-18
A	EP 0823295 A1 (HEWING GMBH), 11 February 1998 (11.02.1998) -----	1-18

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

30/04/2004

PCT/SE 2004/000473

EP	0755893	A2	29/01/1997	CA	2174894 A,C	29/01/1997
				CA	2263044 C	17/08/1999
				DE	69622229 D,T	27/02/2003
				EP	1227054 A	31/07/2002
DE	19606574	A1	28/08/1997	NONE		
SE	462390	B	18/06/1990	AT	79830 T	15/09/1992
				CA	1324486 A,C	23/11/1993
				DE	3874138 A,T	01/10/1992
				EP	0359742 A,B	28/03/1990
				FI	87344 B,C	15/09/1992
				FI	894641 A	02/10/1989
				JP	2502993 T	20/09/1990
				JP	2510712 B	26/06/1996
				NO	170473 B,C	13/07/1992
				NO	885208 A	23/11/1988
				SE	8701396 A	04/10/1988
				US	5005274 A	09/04/1991
				WO	8807494 A	06/10/1988
BE	1013590	A6	02/04/2002	NONE		
US	3260390	A	12/07/1966	NONE		
US	3137451	A	16/06/1964	NONE		
US	4716646	A	05/01/1988	EP	0227625 A	01/07/1987
				JP	62157182 A	13/07/1987
				SE	8503125 A	21/06/1987
EP	0823295	A1	11/02/1998	AT	196861 T	15/10/2000
				DE	19632021 C	02/01/1998
				DE	59702445 D	00/00/0000